Mian Li

List of Publications by Year
in descending order

35 papers	3,959 citations	279798 23 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	2829 citing authors

#	Article	IF	Citations
1	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. Nature Materials, 2020, 19, 894-899.	27.5	870
2	Element Replacement Approach by Reaction with Lewis Acidic Molten Salts to Synthesize Nanolaminated MAX Phases and MXenes. Journal of the American Chemical Society, 2019, 141, 4730-4737.	13.7	811
3	Facile preparation of in situ coated Ti₃C₂T_x/Ni_{0.5}Zn_{0.5}Fe₂O₄ composites and their electromagnetic performance. RSC Advances, 2017, 7, 24698-24708.	3.6	210
4	Halogenated Ti₃C₂ MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. ACS Nano, 2021, 15, 1077-1085.	14.6	183
5	Phase Transition Induced Unusual Electrochemical Performance of V₂CT_X MXene for Aqueous Zinc Hybrid-Ion Battery. ACS Nano, 2020, 14, 541-551.	14.6	179
6	Toward a Practical Zn Powder Anode: Ti₃C₂Tx MXene as a Lattice-Match Electrons/Ions Redistributor. ACS Nano, 2021, 15, 14631-14642.	14.6	137
7	Activating the I⁰/I⁺ redox couple in an aqueous I₂â€“Zn battery to achieve a high voltage plateau. Energy and Environmental Science, 2021, 14, 407-413.	30.8	129
8	In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. Advanced Energy Materials, 2020, 10, 2001791.	19.5	128
9	The critical issues of SiC materials for future nuclear systems. Scripta Materialia, 2018, 143, 149-153.	5.2	127
10	Vertically Aligned Sn⁴⁺ Preintercalated Ti₂CT_X MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. Advanced Energy Materials, 2020, 10, 2001394.	19.5	127
11	Enhanced Redox Kinetics and Duration of Aqueous I₂/I^{â^'} Conversion Chemistry by MXene Confinement. Advanced Materials, 2021, 33, e2006897.	21.0	121
12	Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated Ti₃C₂ MXenes. ACS Nano, 2022, 16, 813-822.	14.6	90
13	Novel Scaleâ€Like Structures of Graphite/TiC/Ti₃C₂ Hybrids for Electromagnetic Absorption. Advanced Electronic Materials, 2018, 4, 1700617.	5.1	86
14	Multielemental singleâ€“atom-thick A layers in nanolaminated V ₂ (Sn, A) C () Tj ETQq0 0 0 rgBT /Overlock 1 Sciences of the United States of America, 2020, 117, 820-825.	7.1	84
15	Confining Aqueous Znâ€“Br Halide Redox Chemistry by Ti₃C₂T_X MXene. ACS Nano, 2021, 15, 1718-1726.	14.6	78
16	Intrinsic voltage plateau of a Nb2CTx MXene cathode in an aqueous electrolyte induced by high-voltage scanning. Joule, 2021, 5, 2993-3005.	24.0	74
17	In situ formation of NaTi₂(PO₄)₃ cubes on Ti₃C₂ MXene for dual-mode sodium storage. Journal of Materials Chemistry A, 2018, 6, 18525-18532.	10.3	60
18	Single-Atom-Thick Active Layers Realized in Nanolaminated Ti₃(Al_xCu_{1â€“x})C₂ and Its Artificial Enzyme Behavior. ACS Nano, 2019, 13, 9198-9205.	14.6	59

#	Article	IF	Citations
19	Synthesis of MAX phases Nb₂CuC and Ti₂(Al_{0.1}Cu_{0.9})N by A-site replacement reaction in molten salts. Materials Research Letters, 2019, 7, 510-516.	8.7	58
20	V₂CT_x and Ti₃C₂T_x MXenes Nanosheets for Gas Sensing. ACS Applied Nano Materials, 2021, 4, 6257-6268.	5.0	52
21	Synthesis and properties of conductive B₄C ceramic composites with TiB₂ grain network. Journal of the American Ceramic Society, 2018, 101, 3780-3786.	3.8	38
22	Densification and mechanical properties of pulsed electric current sintered B4C with in situ synthesized Al3BC obtained by the molten-salt method. Journal of the European Ceramic Society, 2017, 37, 4524-4531.	5.7	25
23	Fabrication and characterization of SPS sintered SiC-based ceramic from Y3Si2C2-coated SiC powders. Journal of the European Ceramic Society, 2018, 38, 4833-4841.	5.7	25
24	Preparation of TiC/Ti₂AlC coating on carbon fiber and investigation of the oxidation resistance properties. Journal of the American Ceramic Society, 2018, 101, 5269-5280.	3.8	23
25	Electrochemical Lithium Storage Performance of Molten Salt Derived V2SnC MAX Phase. Nano-Micro Letters, 2021, 13, 158.	27.0	23
26	The role of Hume-Rothery's rules play in the MAX phases formability. Materialia, 2020, 12, 100810.	2.7	22
27	Seamless joining of silicon carbide ceramics through an sacrificial interlayer of Dy3Si2C2. Journal of the European Ceramic Society, 2019, 39, 5457-5462.	5.7	17
28	2D foaming of ultrathin MXene sheets with highly conductive silver nanowires for wearable electromagnetic interference shielding applications owing to multiple reflections within created free space. Nano Futures, 2020, 4, 035002.	2.2	16
29	Molten Salt Synthesis of Nanolaminated Sc₂SnC MAX Phase. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 773.	1.3	15
30	In-situ growth of MAX phase coatings on carbonised wood and their terahertz shielding properties. Journal of Advanced Ceramics, 2021, 10, 1291-1298.	17.4	15
31	Copperâ€“SiC whiskers composites with interface optimized by Ti3SiC2. Journal of Materials Science, 2018, 53, 9806-9815.	3.7	14
32	Near-room temperature ferromagnetic behavior of single-atom-thick 2D iron in nanolaminated ternary MAX phases. Applied Physics Reviews, 2021, 8, .	11.3	14
33	Interface modification of carbon fibers with TiC/Ti2AlC coating and its effect on the tensile strength. Ceramics International, 2019, 45, 4661-4666.	4.8	13
34	Thermodynamic description of the Dyâ€“Siâ€“C system in silicon carbide ceramics. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 68, 101738.	1.6	9
35	Irradiation behavior of Cf/SiC composite with titanium carbide (TiC)-based interphase. Journal of Nuclear Materials, 2019, 523, 10-15.	2.7	3